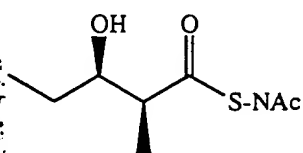
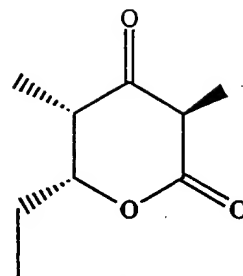


FIGURE 1



2

Module 3+TE
methylmalonyl-CoA

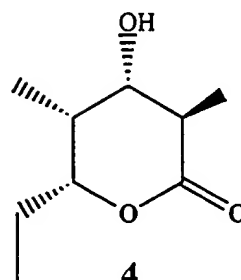


3

2

Module 2+TE or Module 5+TE or Module 6+TE

NADPH → NADP⁺
methylmalonyl-CoA



4

FIGURE 2



(a) INTRA-POLYPEPTIDE LINKER

M2ery: GGATGAEEQAAPATT..APVD (SEQ ID NO:3)
 M4ery: VGDAD..QAA.VRVVGAA.DES (SEQ ID NO:4)
 M6ery: VGAAEAEQA.PALVREVPKDAD (SEQ ID NO:5)
 M2rif: FGSA.A.NR.PAEIGTAAAE (SEQ ID NO:6)
 M3rif: LG..ER.PAAPAPVTRDVSD (SEQ ID NO:7)
 M5rif: GETVAGAPATPVTTVADAG (SEQ ID NO:8)
 M3rap: .ELFTGENPAPVRGPVSAVGQD (SEQ ID NO:9)
 M4rap: .ELFTGENPAPVRGPVSVVGQD (SEQ ID NO:10)
 M7rap: .ELFTGENPAPVRGPVSA.GQD (SEQ ID NO:11)

(b) N-TERMINAL INTER-POLYPEPTIDE LINKER

M3ery:VTD SE KVAEYLRR .ATLDIRAAR QRIRE...LES (SEQ ID NO:12)
 M5ery: MSGDNGM.TE E.KLRRYLKR TVT.ELDSVT ARLRE...VEH RAG (SEQ ID NO:13)
 M4rif:MSAPNE QIVDAL.R ASLKE.....N VRLQEQENSAL AAAAA (SEQ ID NO:14)
 M7rif:VSASYE KVVEAL.R KSLEE.....V GTLKKRNRQL ADAAG (SEQ ID NO:15)
 M8rif:V.AD EGQLRDYLKR .AIADARDAR TRLRE...VEE QAR (SEQ ID NO:16)
 M9rif:MATD E.KLLKYLKR .VTAEHLS...LRKQGARH .AD (SEQ ID NO:17)
 M5rap:MR.. EDQLLDAL.R KSVKE.....N ARLRKANTSL RAAMD (SEQ ID NO:18)
 M11rap:M.PEQD KVVEYL.R WATAELHTTR AKL.....EA LAAANT (SEQ ID NO:19)

FIGURE 3